Express Mail Label No.: EV 334320735 US

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Listing of claims:

The following listing of claims replaces all previous claim listings in the application:

1. (Currently Amended). A method for transferring a set of files, the method comprising:

receiving, at a destination fileserver, a set of stub files associated with the set of files;

maintaining, at the destination fileserver, a list of repository nodes that contain a replica of each file in the set of files, and a list of files in the set of files stored at the destination fileserver;

using the lists, initiating recovery of files in the set of files on the destination fileserver, wherein based on the list of files and the list of repository nodes stored at the destination fileserver, a replica of a file in the list of files is recovered from a repository node in the list of repository nodes;

said initiating further comprises

using a stub file in the set of stub files, allowing access to a full content of
a file associated with the stub file; and,
replacing each stub file with a full content of the file associated with the
stub file;-and
wherein said replacing includes
receiving a client request for a specified file in the set of files;
replacing the stub file associated with the specified file with a full
content of the specified file: and

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replacing remaining stub files in the set of stub files with respective full contents of remaining files in the set of files.

2. (Currently Amended). The method of claim 1 wherein the a metadata is received at said the destination fileserver from a repository node in the list of repository nodes.

3. (Currently Amended). The method of claim [[1]]2 further comprising:

selecting said-the destination fileserver for receiving said-the metadata and said-the set of stub files.

- 4. (Previously Presented). The method of claim 1 further comprising: selecting a share of data for receiving at said destination fileserver.
- 5. (Currently Amended). The method of claim 1 wherein the set of files is the set of files that have been accessed during a specified period; and

wherein the replacing each stub file step further comprises

recursively replacing the stub files associated with the files that were was mostrecently accessed within the specified period until all the stub files associated with in the
set of files have been replaced.

6. (Original). The method of claim 5 wherein the specified period is a most-recent period.

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7. (Currently Amended). The method of claim [[1]]3 wherein the location component is a location cache the metadata is associated with a file in the set of files and includes

a fileserver name where the file was created;

a size of the file;

the list of all repository nodes that maintain a replica of the file; and, a content checksum of the file when the file was first created or last modified.

- 8. (Currently Amended). A data protection system comprising:
- a fileserver having:
 - a file system operative to store client files;
 - a fileserver API operative to communicate with a repository;
- a fileserver file transfer module in communication with the file system and configured to transfer files for the file system to and/or from at least one repository; and

a recovery service in communication with the fileserver API and with the file system and configured to transfer a set of files, the recovery service having:

a receiving component configured to receive metadata and stub files associated with the set of files at the fileserver;

a location updating component in communication with the receiving component and configured to maintain a list of repository nodes that contain a replica of each file in the set of files and a list of files in the set of files stored at the destination fileserver;

wherein using the lists, said recovery service is configured to initiate recovery of files in the set of files on the fileserver, wherein based on the list of files and the list

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of repository nodes stored at the fileserver, a replica of a file in the list of files is recovered from a repository node in the list of repository nodes;

wherein using a stub file in the set of stub files, said recovery service is configured to allow access to a full content of a file associated with the stub file; and

a stub file replacement component in communication with the receiving component and configured to receive a client request for a specified file in the set of files and, replace each the stub file with the full content of the specified file associated with the stub file, and replace remaining stub files in the set of stub files with respective full contents of remaining files in the set of files.

9. (Previously Presented). The system of claim 8 further comprising

a filter driver operative to intercept input/output activity initiated by client file requests and to maintain a list of modified and created files since a prior backup;

a policy cache operative to store a protection policy associated with a share;

a mirror service in communication with the filter driver and with the policy cache, the mirror service configured to prepare modified and created files in a share to be written to a repository as specified in the protection policy associated with the share.

10. (Previously Presented). The system of claim 9 further comprising:

a location cache in communication with the mirror service and configured to indicate which repository should receive an updated version of an existing file; and

a location manager coupled to the location cache and configured to update the location cache when the system writes a new file to a specific repository node.

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11. (Previously Presented). The system of claim 8 further comprising

a local repository having:

a local repository node API configured to communicate with the fileserver API;

a local repository file transfer module in communication with the fileserver file

transfer module and configured to transfer files to the fileserver file transfer module; and

a data mover in communication with the local repository API and configured to

supervise the replication of files from the local repository to the fileserver.

12. (Previously Presented). The system of claim 11 wherein the fileserver API is

configured to communicate with a network and wherein the system further comprises:

a remote repository having:

a remote repository node API configured to communicate with the network;

a remote repository file transfer module in communication with the local file

transfer module and configured to transfer files to the fileserver file transfer module; and

a data mover in communication with the remote repository API and configured to

supervise the replication of files from the remote repository to the fileserver.

13. (Currently Amended). A method for storing data, the method comprising:

providing a fileserver having:

a file system operative to store client files;

a policy component configured to store a protection policy associated with

a set of files;

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a mirror service in communication with the policy component, the mirror service operative to prepare modified and created files in a set of files to be written to a repository as specified in the protection policy associated with the set of files;

a fileserver API coupled to the mirror service and configured to communicate with a repository;

a fileserver file transfer module in communication with the file system and configured to transfer files for the file system to and/or from at least one repository; and,

a location updating component configured to maintain a list of repository nodes that contain a replica of each file in the set of files and a list of files in the set of files stored at the destination fileserver;

wherein using the lists, said fileserver is configured to initiate recovery of files in the set of files on the fileserver, wherein based on the list of files and the list of repository nodes stored at said fileserver, a replica of a file in the list of files is recovered from a repository node in the list of repository nodes;

wherein using a stub file in the set of stub files, said fileserver is configured to allow access to a full content of a file associated with the stub file by receiving a client request for a specified file in the set of files, replacing the stub file with the full content of the specified file associated with the stub file, and replacing remaining stub files in the set of stub files with respective full contents of remaining files in the set of files;

determining a caching level for said fileserver; and recursively, determining a utilization of the fileserver; comparing the caching level against the utilization; and

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creating a file migration candidate list when the utilization exceeds the caching

level;

staging out one candidate file;

replacing the candidate file with a stub file; and

determining whether the utilization of the fileserver still exceeds the caching

level.

14. (Previously Presented). The method of claim 13 wherein said determining if the

utilization of the fileserver still exceeds the caching level further comprises staging out another

candidate file on the candidate list and again determining if the utilization of the fileserver

exceeds the caching level.

15. (Previously Submitted). The method of claim 1, wherein said replacing the stub file

for the specified file is a higher priority task than replacing the stub files for non-requested files.

16. (New). The system according to claim 8, wherein the fileserver is configured to

receives a metadata from a repository node in the list of repository nodes.

17. (New). The system according to claim 16, wherein the metadata is associated with a

file in the set of files and includes

a fileserver name where the file was created;

a size of the file;

the list of all repository nodes that maintain a replica of the file; and,

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a content checksum of the file when the file was first created or last modified.

18. (New). The system according to claim 8, wherein the set of files is the set of files that

have been accessed during a specified period; and

wherein the recovery service is further configured to recursively replace the stub files

associated with the files that were accessed within the specified period until all stub files

associated with the set of files have been replaced.

19. (New). The system according to claim 18, wherein the specified period is a most-

recent period.

20. (New). The method according to claim 13, wherein the set of files is the set of files

that have been accessed during a specified period; and

wherein the recovery service is further configured to recursively replace the stub files

associated with the files that were accessed within the specified period until all stub files

associated with the set of files have been replaced.

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